

INGRESS NOISE CONTROL SYSTEM AND  
INGRESS NOISE BLOCKING DEVICE

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ABSTRACT OF THE DISCLOSURE

10       The present invention concerns an ingress noise  
control system and an ingress noise blocking device which  
are used in a cable system to suppress ingress noise. In  
the cable system providing two-way communication using  
different frequency bands for transmission of upstream  
and downstream signals, the ingress noise control system  
15 includes, within a distribution unit, a two-way  
amplification unit, etc. provided in an upstream signal  
transmission path, a synchronous detection controller 6  
for synchronously detecting the upstream signal  
transmitted from terminal equipment and separated by a  
20 low-pass filter 4 in a second separation filter 2, a gate  
switch circuit 5 which is turned on by the synchronous  
detection controller 6 to pass the upstream signal only  
when the upstream signal is synchronously detected, and  
an indicator 7 for indicating the on/off state of the  
25 gate switch circuit 5.